CRAZY TOY



STOP
IMPORTANT

- Please read the manual carefully and keep it in mind before using this machine.
- Put this manual within reach of your reference in anytime.

ANDAMIRO®

PRECAUTIONS FOR USE

The following safety precautions are given throughout this manual. They must be strictly followed to protect those who install, use or maintain this product as well as to protect players, visitors and property.

For safety reasons.

- The following suggestions should be adhered to:

⚠ WARNING
Disregarding could result in serious injury.

⚠ CAUTION
Disregarding could result in injury or product damage.

- **The following graphic suggestions describe the types of precautions to be followed.**

⚠
Indicates a care should be taken.

⃠
Forbidden.

Indicates a matter which must be performed.

- **Precautions to be followed:**

Certain procedures require a qualified in-shop maintenance person or industry specialist. For such instructions, a qualified person must take care of the jobs.

- Otherwise an electric shock, machine trouble, or a serious accident may result.
- Replacing the machine parts, inspecting and maintaining the machines, and troubleshooting must be assigned only to a qualified in-shop maintenance person or industry specialist. This booklet gives instructions that hazardous jobs in particular must be handled by an industry specialist. Qualified in-shop maintenance person and industry specialist are defined as follows.

Qualified in-shop maintenance person

- A service staff shall have experience in operations of game machines. The staff shall be responsible for assembly, installation, inspection and maintenance of the machine.

Industry specialist

- An industry specialist must be engaged in designing, manufacturing, inspecting and servicing amusement machines. He or she must have an education in electrical, electronic and mechanical engineering, and routinely maintain and repair amusement machines.

PRECAUTIONS FOR USE

⚠WARNING

Be sure to consult an industry specialist when setting up, moving or transporting this product.

- This product should not be set up, moved or transported by any one other than an industry specialist.
- When installing this product, set the 4 leg levelers evenly on the floor and make sure that the product is installed stably in a horizontal position. Unstable installation may result in injury or accident.
- When installing this product, do not apply undue force on movable parts. Otherwise, injury and accident may result, or the product may be damaged.

The machine for indoor usage only does not install outside.

Do not set the game machine up near emergency exits.

Protect the game machine from:

- Rain or moisture.
- Direct sunlight.
- Direct heat from air-conditioning and heating equipment, etc..
- Hazardous flammable substances.
- Otherwise an accident or malfunction may result.

Do not place containers holding chemicals or water on or near the game machine.

Do not place objects near the ventilating holes.

Do not bend the power cord by force or place heavy objects on it.

Never plug or unplug the power cord with wet hands.

Never unplug the game machine by pulling the power cord.

⚠ CAUTION

Be sure to use indoor wiring within the specified voltage requirements. For extension cord, use the specified rating or more.

Be sure to use the attached power cord.

Never plug more than one cord at a time into the electrical receptacle.

Do not lay the power cord where people walk through.

Be sure to ground this product.

Do not exert excessive force when moving the machine.

For proper ventilation, keep the game machine 100mm(4″) away from the walls.

Do not alter the system related dipswitch settings.

PRECAUTIONS FOR USE

⚠ WARNING

If there is any abnormality such as smoke, bad smell or abnormal noise being emitted from the machine, immediately turn OFF the main power switch and unplug the power cord from the receptacle to stop operating it.



- Using the machine in abnormal conditions could result in fire or accidents.

In case of abnormality

1. Turn OFF the main power switch.
2. Unplug the power cord from the receptacle.
3 . Contact your nearest dealer.

Do not leave the power cord plugged in improperly or covered with dust.



- Doing so could result the power cord periodically.

⚠ CAUTION

Do not use this product anywhere other than industrial areas.



- Using in a residential area or an area next to a residential area could affect signal reception of radios, television sets, telephones, etc..

- Do not give shock the surface of glass products.

- Please do not play this game if
  - When you do drinking;
  - When your physical condition is not normal;
  - When you are in pregnancy;
  - When you have on a pulse controller;
  - When you have recently experienced a cramp or fainting away while watching TV.
- Avoid excessive force/shock while playing/moving the game.
- While do games, pay attention to surrounding.

Do not plug or unplug the power cord with wet hands.



In handling the power cord, follow the instructions below.



- Do not damage the power cord.
- Do not bend the power cord excessively.
- Do not heat the power cord.
- Do not bind the power cord.
- Do not sandwich the power cord.
- Do not modify the power cord.
- Do not twist the power cord.
- Do not pull the power cord.
- Do not stand on the power cord.
- Do not drive a nail into the power cord.

If the power cord or power plug becomes damaged, stop using the machine immediately and ask your nearest dealer to replace the parts.

*** Electromagnetic wave may cause unexpected noise from speaker.**

PRECAUTIONS FOR USE

⚠ WARNING

Be sure to turn OFF the main power switch and unplug the power cord from the receptacle before inspecting or cleaning the machine.



When replacing parts, be sure to use parts of the correct specifications. Never use parts other than the specified ones.



Opening inside the machine shall be done by machine specialist only as high electric current is being sent inside. For game machine with monitor, a care should be taken while opening its back door. If not, a damage to the inside parts or the monitor may occur.



If the sub power switch of the service panel is turned OFF without turning OFF the main power switch of the power supply unit, some parts in the units remain live. When opening the back door, be sure to turn OFF the main power switch and unplug the power cord from the receptacle.



Strictly refrain from disassembly and repair of parts which are not indicated in this manual, as well as settings and remodeling.



To clean the game machine, wipe it with a soft cloth dampened in a neutral detergent.

- Using thinner of other organic solvent or alcohol may decompose the material.
- Electrical shock or equipment failure could be caused by water entering the inside of the machine.

⚠ CAUTION

Components in the game are sensitive to vibrations and impact. Care should be used when moving and transporting the game machine.
Be sure not to let the machine tip over.



Before moving the machine, be sure to turn OFF the main power switch, unplug the power cord from the receptacle and remove the power cord form the machine.



Before moving take the machine, off the levelers and move it on the casters.

Avoid excessive force while moving the machine.

PRECAUTIONS IN HANDLING

- When setting up, inspecting, maintaining, moving or transporting this product, follow the procedures and instructions set forth in this manual and perform such work safely.
- Do not set up, handle, inspect, maintain, move or transport this product under conditions equivalent to the condition of "WARNING" or "CAUTION" specified in this manual.
- If a new owner is to have this product as a result of transfer, etc., be sure to give this manual to the new owner.

PRÉCAUTION D'EMPLOI

Les consignes de sécurité suivantes sont données dans ce manuel. Elles doivent être strictement suivies pour protéger ceux qui les installent. Utiliser ou entretenir ce produit pour la sécurité des utilisateurs, des visiteurs et des biens.

Pour des raisons de sécurité.

- **Les suggestions suivantes doivent être respectées:**

⚠ATTENTION
Le non-respect peut entraîner des blessures graves.

⚠PRUDENCE
Le non-respect peut entraîner des blessures ou des dommages au produit.

- **Les suggestions graphiques suivantes décrivent les types de précautions à prendre.**

⚠
Indique qu'attention est requise.

⃠
Interdit.

Indique que quelque chose doit être effectuée.

- **Les précautions à prendre :**

Certaines procédures exigent une personne de maintenance qualifiée en atelier ou un spécialiste de l'industrie. Pour ces instructions, une personne qualifiée doit prendre soin des travaux.

- Sinon, un choc électrique, un dysfonctionnement de la machine, ou un accident grave peut en résulter.
- Remplacement des pièces de machines, l'inspection et la maintenance des machines, et le dépannage doit être attribué qu'à une personne de maintenance qualifiée en atelier ou spécialiste de l'industrie. Cette brochure donne des instructions que les emplois dangereux, en particulier, doivent être traités par un spécialiste de l'industrie. La personne de maintenance qualifiée en atelier et le spécialiste de l'industrie sont définis comme suit.

La personne de maintenance qualifiée en atelier

- Un personnel de service doit avoir de l'expérience dans les opérations de machines de jeux. Le personnel est responsable pour l'assemblage, l'installation, l'inspection et l'entretien de la machine.

Le spécialiste de l'industrie

- Un spécialiste de l'industrie doit être engagé dans la conception, la fabrication, l'inspection et l'entretien des appareils d'amusement.
  Il ou elle doit avoir une formation en génie électrique, électronique et mécanique, et de maintenir régulièrement et de réparer les appareils d'amusement.

PRÉCAUTION D'EMPLOI

⚠ ATTENTION

Assurez-vous de consulter un spécialiste de l'industrie lors de la mise en place, du déplacement ou le transport de ce produit.

- Ce produit ne doit pas être mis en place, déplacé ou transporté par une quelconque autre qu'un spécialiste de l'industrie.
- Lors de l'installation de ce produit, installez 4 niveleurs de pieds uniformément sur le sol et assurez-vous que le produit est installé de façon stable dans une position horizontale. Une installation instable peut entraîner des blessures ou un accident.
- Lors de l'installation de ce produit, ne pas appliquer une force excessive sur les pièces mobiles. Sinon, des blessures et des accidents peuvent y résulter, ou le produit peut être endommagé.

La machine pour une utilisation en intérieur uniquement, ne pas installer à l'extérieur.

N'installez pas la machine de jeu près des issues de secours.

Protéger la machine de jeu de:

- L'humidité ou la pluie.
- La lumière directe du soleil.
- La chaleur directe de la climatisation et du chauffage, etc...
- Des substances inflammables dangereuses.
- Sinon, un accident ou un dysfonctionnement.

Ne pas placer les récipients contenant des produits chimiques ou de l'eau sur ou près de la machine de jeu.

Ne placez pas d'objets à proximité des orifices de ventilation.

Ne pas plier le cordon d'alimentation par la force ou de placer des objets lourds au-dessus.

Ne jamais brancher ou débrancher le cordon d'alimentation avec les mains mouillées.

Ne jamais débrancher la machine de jeu en tirant le câble d'alimentation.

⚠ PRUDENCE

Veillez à utiliser le câblage intérieur selon les exigences de tension spécifiées. Pour une rallonge, utilisez la notation spécifiée ou plus.

Veillez à utiliser le cordon d'alimentation fourni.

Ne jamais brancher plus d'un cordon à la fois dans la prise électrique.

Ne pas poser le cordon d'alimentation où les gens marchent à travers.

Soyez sûr de mettre à la terre ce produit.

Ne pas exercer une force excessive lors du déplacement de la machine.

Pour une ventilation correcte, garder la machine de jeu 100mm (4 ") loin des murs.

Ne pas modifier les réglages des commutateurs DIP liées au système.

PRÉCAUTION D'EMPLOI

⚠ ATTENTION

Si il y a une anomalie comme fumée, mauvaise odeur ou bruit anormal émis par la machine, couper immédiatement l'interrupteur principal et débranchez le câble d'alimentation de la prise pour arrêter son fonctionnement.



- L'utilisation de l'appareil dans des conditions anormales peut provoquer un incendie ou un accident.

En cas d'anomalie

1. Mettez l'interrupteur principal sur ARRÊT.
2. Débranchez le câble d'alimentation de la prise.
3. Contactez votre revendeur le plus proche.

Ne pas brancher le câble d'alimentation incorrectement ou le laisser être recouvert de poussière.



Cela pourrait nuire le câble d'alimentation.

⚠ PRUDENCE

Ne pas utiliser ce produit ailleurs que dans les zones industrielles.



- L'utiliser dans une zone résidentielle ou d'une zone à côté d'un quartier résidentiel pourrait nuire à la réception des radios, téléviseurs, téléphones, etc.
- Ne donnez pas de choc à la surface d'un produit en verre.

- S'il vous plaît ne pas jouer à ce jeu.
  - Quand vous buvez;
  - Lorsque votre condition physique n'est pas normale;
  - Lorsque vous êtes dans une période de grossesse;
  - Lorsque vous avez un contrôleur d'impulsion;
  - Lorsque vous avez récemment subi une crampe ou évanouissement en regardant la télévision.
- Évitez une force excessive / un choc pendant la lecture / de déplacer le jeu.
- Quand vous jouez les jeux, faite attention aux alentours.

Ne pas brancher ou débrancher le câble d'alimentation avec les mains mouillées.



Dans la manipulation du câble d'alimentation, suivez les instructions ci-dessous.



- Ne pas endommager le câble d'alimentation.
- Ne pas plier le câble d'alimentation de manière excessive.
- Ne pas chauffer le câble d'alimentation.
- Ne pas lier le câble d'alimentation.
- Ne pas prendre en sandwich le câble d'alimentation.
- Ne pas modifier le câble d'alimentation.
- Ne tordez pas le câble d'alimentation.
- Ne tirez pas sur le câble d'alimentation.
- Ne montez pas sur le câble d'alimentation.
- Ne pas mettre un clou dans le câble d'alimentation.

Si la fiche du câble d'alimentation ou est endommagé, cessez immédiatement d'utiliser la machine et demandez à votre revendeur le plus proche de remplacer les pièces.

PRÉCAUTION D'EMPLOI

⚠ ATTENTION

Veillez à éteindre l'interrupteur d'alimentation principale et débranchez le cordon d'alimentation de la prise avant d'inspecter ou de nettoyer la machine.

Lors du remplacement des pièces, veillez à utiliser une partie des spécifications correctes. Ne jamais utiliser de pièces autres que celles spécifiées.

L'ouverture à l'intérieur de la machine doit être effectuée par le spécialiste de la machine seulement, comme le courant électrique élevé est transmis à l'intérieur. Pour la machine de jeu avec le moniteur, un soin doit être pris lors de l'ouverture de sa porte arrière. Si non, une détérioration des pièces à l'intérieur ou à l'écran peut se produire.

Si l'interrupteur secondaire du panneau de service est éteint sans éteindre le commutateur d'alimentation principale de l'unité d'alimentation, certaines parties dans les unités restent sous tension. Lors de l'ouverture de la porte arrière, veillez à éteindre l'interrupteur d'alimentation principale et débranchez le cordon d'alimentation de la prise.

Il est strictement conseiller de s'abstenir de démonter et de réparer des pièces qui ne sont pas indiqués dans ce manuel, ainsi que les paramètres et le remodelage.

Pour nettoyer la machine de jeu, l'essuyer avec un chiffon doux imbibé avec un détergent neutre.

- L'utilisation plus mince d'un autre solvant organique ou de l'alcool peut décomposer le matériel.
- Un choc électrique ou une défaillance de l'équipement pourraient être causés par la pénétration de l'eau à l'intérieur de la machine.

⚠ PRUDENCE

Les composants de la machine de jeu sont sensibles aux vibrations et aux chocs. Il faut faire attention lors du déplacement et le transport de la machine de jeu.
Veillez à ne pas laisser la machine se renverser.

Avant de déplacer la machine, veillez à éteindre l'interrupteur d'alimentation principale, débranchez le cordon d'alimentation de la prise et débranchez le cordon d'alimentation de la machine.

Avant de déplacer la machine, la mettre hors des niveleurs et le déplacer sur les roulettes.

Éviter une force excessive lors du déplacement de la machine.

PRÉCAUTIONS LORS DU MANIEMENT

- Lors de la mise en place, l'inspection, l'entretien, déplacement ou le transport de ce produit, suivez les procédures et les instructions énoncées dans ce manuel et effectuer ce travail en toute sécurité.
- Ne pas mettre en place, manipuler, inspecter, entretenir, déplacer ou transporter ce produit dans des conditions équivalentes à l'état de "ATTENTION" ou "PRUDENCE" spécifiée dans ce manuel.
- ISi un nouveau propriétaire obtient ce produit à la suite d'un transfert, etc., soyez sûr de donner ce manuel au nouveau propriétaire.

When you go to the installation location

1. Turn off the power switch.
2. Unplug the power cord.
3. Release the caster stoppers at the front two locations of the cabinet.
4. Slowly move this product to the location where you want to install it.
5. After the movement is complete, secure the caster with two stoppers in front of the cabinet.
6. Make sure that the power switch of this product is set to power off and plug the power cord.
7. Make sure there are no people around this product while you're on the move.

Operation and test mode

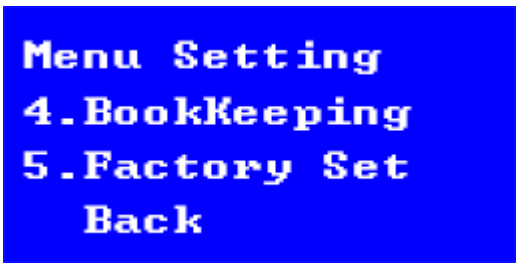
How to enter Menu: After the system booting process is finished, press and hold the settings button for 5 seconds before entering the Menu settings.

※ Note1 : When the machine is not in play, and press the settings button to enter the Menu settings.
※ Note2 : Playing the game using the service button does not count into the payout rate.
※ Note3 : Any changes made to the settings in the MENU SETTING are automatically saved.

After entering the Menu settings, the following functions

1.Basic Setting
2.Func Setting(Function Setting)
3.Test Mode
4.Bookkeeping.
5.Factory Set (Factory Setting)
Back : exit



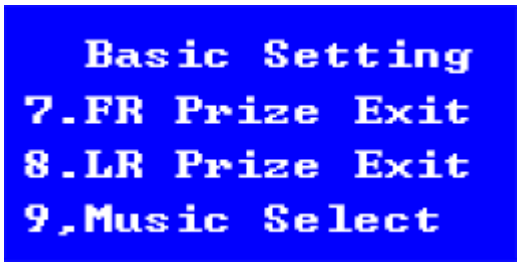


※ Parameter setting adjustment method: After entering the root directory, use the joystick to select the option that needs to be modified up and down, and press the button to confirm entry. Then use the joystick to adjust the parameters left and right, press the button to confirm and return to the previous menu

The following is a detailed introduction to the functions and Base setting of each Options







1. Basic Setting :Move the joystick &press the button to Enter the next Menu.

1) Demo Music Set

Demo music setting parameter range : OFF, 0-30 minutes

default setting: 1 Min.



2) Sky Catch

Optional [ON] or [OFF]

Default setting: ON

Option function: To catch a doll during the game, press the button and press the button again to raise the claw Before reaching the doll.

※ If the Option is “ON”, when the claw descends, press the grab button and the claw will close immediately.

※ It is recommended not to turn on this option, as it may cause the grab button to be accidentally trigger during the game, causing the claw to close without touching the doll, thereby introduces ability grabbing the prizes.



3) Crane Middle

Optional [ON] or [OFF]

Default setting: OFF

Option function: When the machine is in a playable state, the claws will automatically move to the middle position.



4) Coin Keep

Optional [ON] or [OFF]

Default setting : ON

Option function : Even if the product is reset or the power is turned on or off, the number of coins entered is remained.



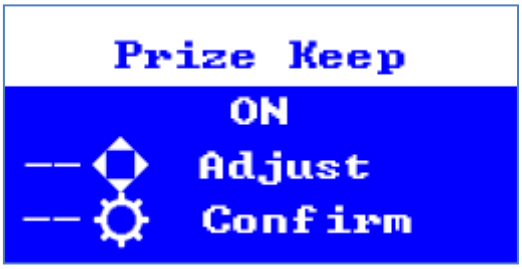
5)Prize Keep(Play times Counter keep)

Optional [ON] or [OFF]

Default setting : ON

Option function : Sets whether the previous chance is remained when the machine is restarted.

- ON : If the machine is restarted after 5 failures when the chance is 1/10th, it will succeed on 5 attempts.
- OFF: If the chance is 1/10th, even if the machine is restarted after 5 failures, it will succeed on 10attempts.

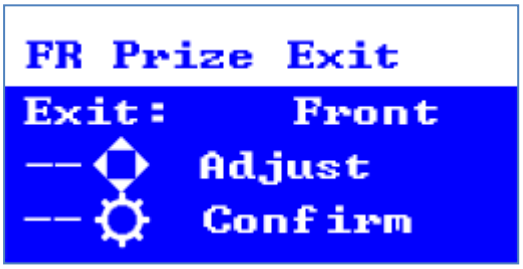


6) Free Play Mode
Optional [YES] or [NO]
Default setting: NO
Option function: You can continue to play games without entering credit.



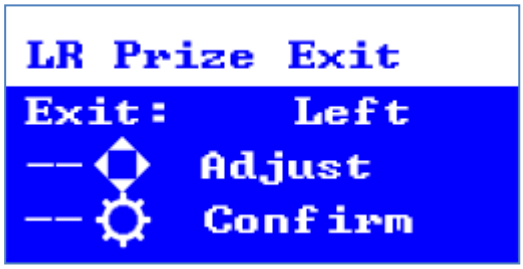
7) FR Prize Exit
Optional [Front] or [Rear]
Default setting : Front
Option function : Sets whether the gift outlet is in front or behind.

※ This functionality is dependent on the cabinet when the product is shipped and should not be changed arbitrarily.



8) LR Prize Exit
Optional [Left] or [Right]
Default setting : Left
Option function : Sets whether the gift outlet is on the left or right.

※ This functionality is dependent on the cabinet when the product is shipped and should not be changed arbitrarily.



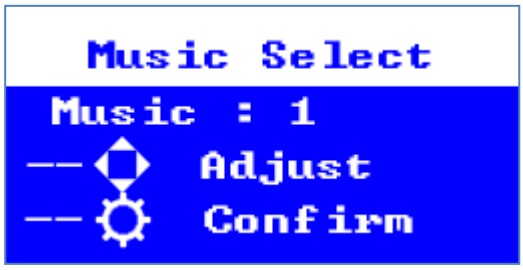
9) Music Select :

Background music can be specified

Optional Range 1 ~ 3

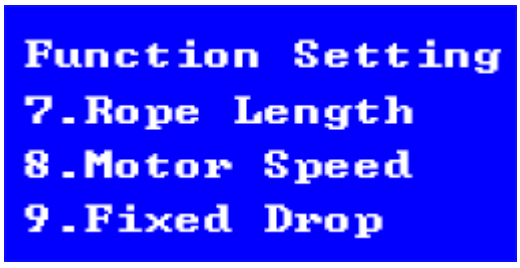
Default setting : 1

Option function : There are three types of background music settings available.











2. Func Setting(Function Setting) :Move the joystick &Press the button to confirm and enter the next level menu.

1) Coin & Play

Parameter range: 1-99 coins per play/1-9 plays per coin.

default setting : 1 Coin per 1 Play

Option function : You can set the number of plays per coin.



2) Bill & Play

Parameter range: 1-99 Bills per game/1-9 plays per Bill

default setting: 1Bill per 1 Play

Option function : You can set the number of plays per bill.



3) Pulse & Coin

Parameter range: 1-5 pulse 1-10 coins .

default setting : 1 coin per 1 pulse;2 coins per 1 pulse

Option function :

- 1 pulse : Credit 1 ~ Credit 10 default 1
- 2 pulse : Credit 1 ~ Credit 10 default 3
- 3 pulse : Credit 1 ~ Credit 10 default 5
- 4 pulse : Credit 1 ~ Credit 10 default 7
- 5 pulse : Credit 1 ~ Credit 10 default 10.

4) Pulse & Bill

Parameter range: 1-5 pulse 1-10 coins .

default setting : 1 coin per 1 pulse;2 coins per 1 pulse

Option function :

- 1 pulse : Credit 1 ~ Credit 10 default 1
- 2 pulse : Credit 1 ~ Credit 10 default 3
- 3 pulse : Credit 1 ~ Credit 10 default 5
- 4 pulse : Credit 1 ~ Credit 10 default 7
- 5 pulse : Credit 1 ~ Credit 10 default 10.

5) Game Time

Parameter range: 1-60 seconds

default setting : 30 seconds

Option function : You can set the game play time.



6) Catch Voltage (Voltage Setting)

Option function : Sets the required claw drive voltage for chance control.



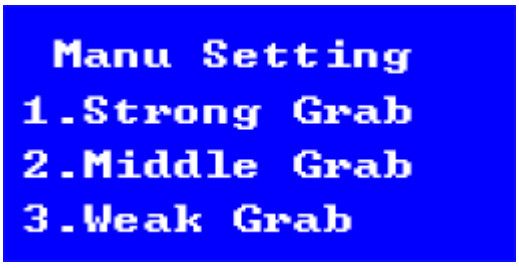
6-1) Auto Set: automatic detection and setting of claw force

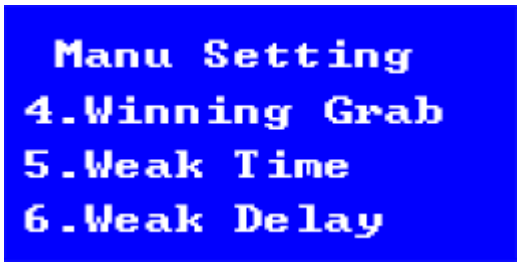
[How To Auto Set]

1) Grab the prize you want to use with the claw and press the button.
2) Prizes must be grabbed in the most difficult condition to fall. For example, in the case of dolls, it is easy to fall off if they are grabbed by the head, so there is a high possibility of Over Pay.
3) Check the LCD window to see the voltage decrease.
4) Press the button the moment the prize falls to set the failure reference voltage.

※ Manu Set is recommended because the reference voltage setting of Auto Set is not clear.

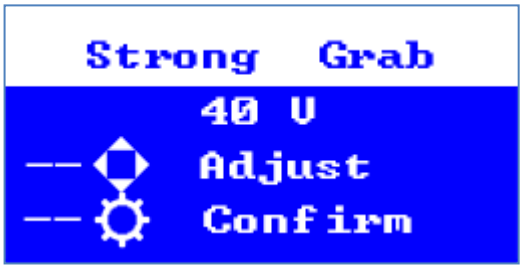
6-2) Menu Set: Manually adjust the reference voltage.





6-2-1) Strong Grab (Strong claw force setting)

Parameter range: 0-48V
default setting: 40V
Option function :Sets the force (voltage) of the claw to grab the prize.



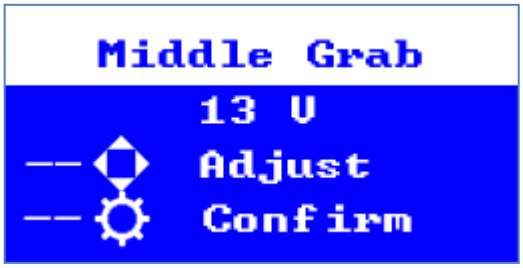
6-2-2) Middle Grab(Middle claw force setting)

Parameter range: 0-48V

default setting: 13V

Option function : Sets the force (voltage) for the claw to grab and raise the prize.

Sets the voltage when the prize falls naturally.

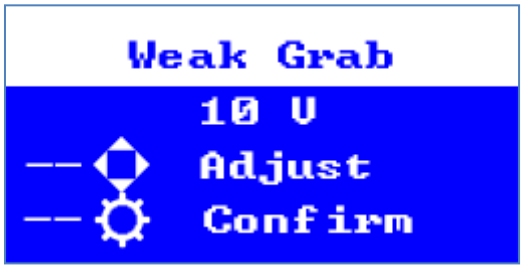


6-2-3) Weak Grab(Weak claw force setting)

Parameter range: 0-48V

default setting : 10V

Option function : The claw grabs the prize and raises it, and set the force (voltage) when moving.

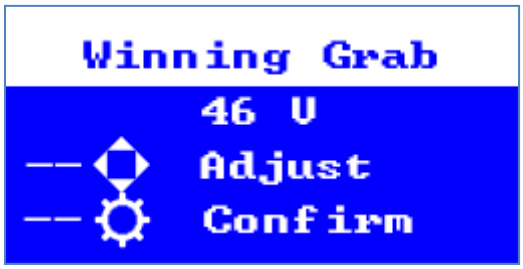


6-2-4) Winning Grab(Winning claw force setting)

Parameter range : 0-48V

default setting : 46V

Option function : Sets the force (voltage) on success.

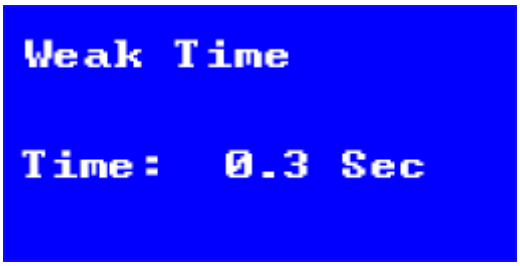


6-2-5) Weak Time(Weak Claw Force Time)

Parameter range: 0-1.5 Seconds

default setting: 0.3 seconds

Option function :Time for claw to grab and raise prizes and maintain the Weak voltage on the move. Match the time the prize falls.

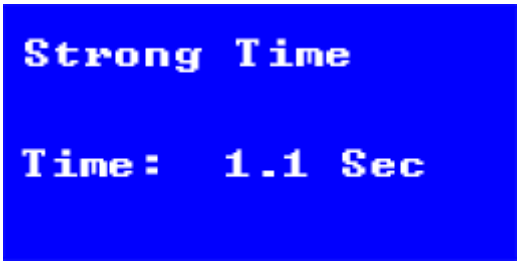


6-2-6) Strong Time(Strong claw force time)

Parameter range: 0-3.0 Seconds

default setting: 1.1 seconds

Option function :Time for claw grabs prizes.



※ These settings are important for the operation of the crane game and should be optimized according to the actual situation.

※ Adjusting the power of the crane is very important for the operation of the game machine, so the feeling of grabbing is transmitted to the user, so please refer to the table.

Item	Note	Strength	Voltage	Doll specifications
Strong Grab	The voltage of grasping with claws	Strong	35V	5~7 inch gift
Middle Grab	The voltage at which the claw reaches its highest point after grabbing an object	Middle	17V	5~7 inch gift
Weak Grab	The voltage to return to the origin after reaching the top of the claw	Weak	13V	5~7 inch gift
Winning Grab	Send the big grip authority game, the strength of the claws throughout the	Super strong	45V	5~7 inch gift

	game			

※ Note 1: The default grab force is generally taken as an example for 5-7 inch dolls, with dolls weighing between 80 and 160g.

※ Note 2: There are many different types of prizes, so you need to find the optimal force setting through repeated tests during actual operation.

※ Note 3: In general situations, the force setting is important in the order winning > strong > middle > weak. Of course, everything is important, but the power of the winning grab is the most important.

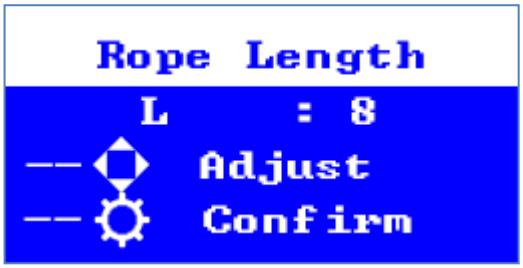
7) Rope Length

Parameter range: 1-30

default setting: 8

Option function :Adjust the length of the string the claw can go down according to the stack of prizes. Typically, you set the length to the extent that you can grab the prize at the bottom.

※ When playing, the height at which the claw descends upon clicking the button.



8) Motor Speed (Motor Setting)

Press the button to confirm entering the next menu level.

Option function :This function is provided to customers who want to move their motors differently. It is usually recommended to operate the machine without changing the setting.

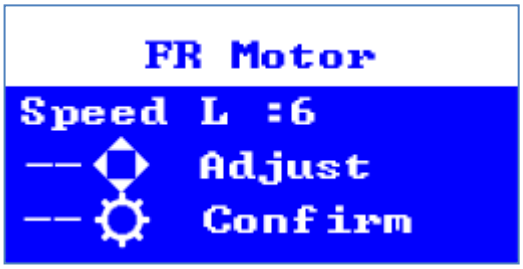


8-1) FR Motor (Front and rear motors)

Speed range for claw movement: 1-10

default setting: 4

Option function :Adjust the front and back movement speed of the claw.

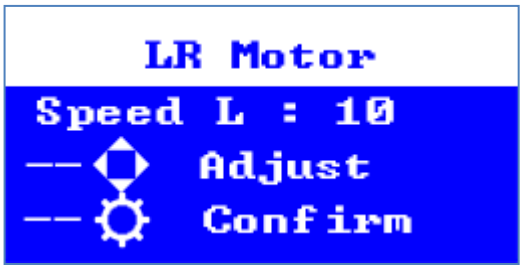


8-2)LR Motor(Left and right motors)

Speed range for claw left and right movement: 1-10

default setting: 4

Option function: Adjust the left and right movement speed of the claw.

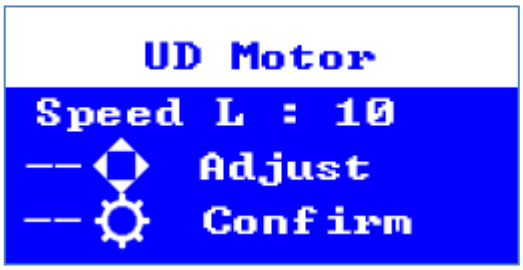


8-3) UD Motor(Up and down motor)

The speed range for claw up and down movement: 1-10

default setting: 10

Option function :Adjust the speed at which the claw is raised.



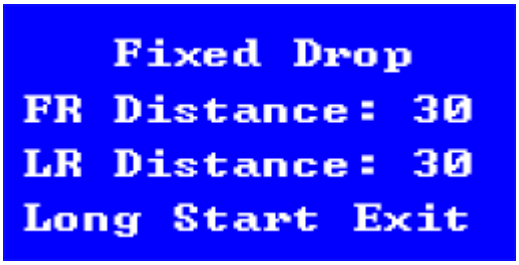
※ All motor speeds can be selected from 1-10, and the larger the number, the faster the crane moves

9) Fixed Drop

※ Set where the prize falls in case of failure

※ The coordinates are set based on the motor's movement time, so if the motor speed is changed, the Limited Drop must also be modified.

※ When the claw is within the range of the gift drop zone, the claw force becomes weaker



9-1) FR Distance

Distance range for claw movement:0-50

default setting: 30

Option function: Set the coordinates of the front and back where the prize falls in case of failure.

9-2) LR Distance

Distance range for claw movement : 0-80

default setting: 30

10) Top Time

Option function :Sets the vertex residence time after the claw is raised. During that time, maintain the main middle claw force when you raise it,

Parameter range: 0-2.50 seconds

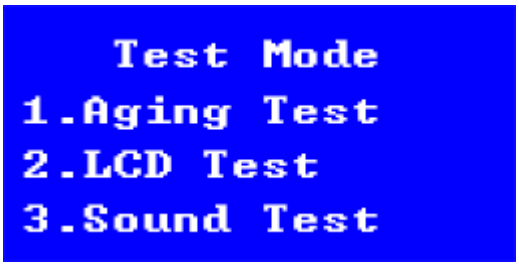
default setting: 0.01 seconds

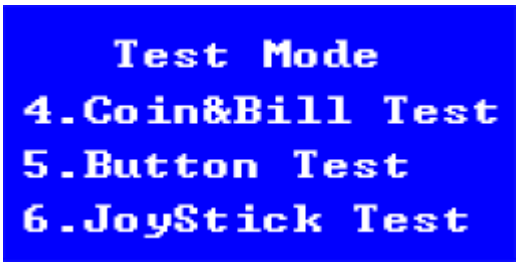


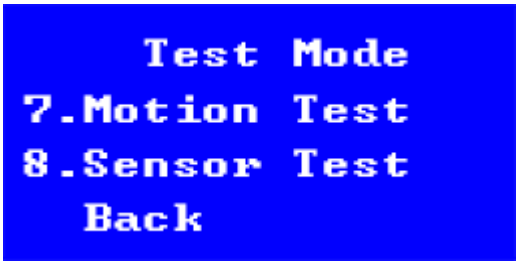
3 .Test mode

Move the joystick &Press the button to confirm entering the next menu level.

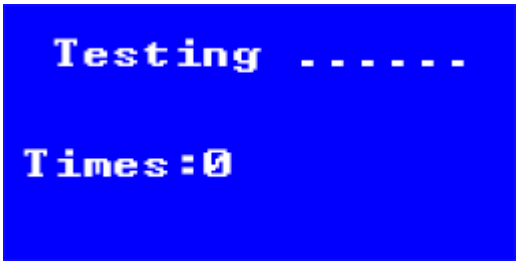
You can check the quality and function of each part.







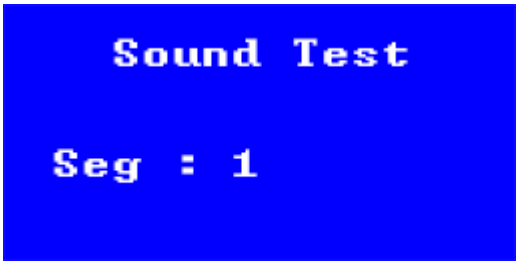
1) Aging test(Factory aging test mode) : press the button to confirm, Immediately test automatically and display the number of test cycles. Move the claw to the front left => front right => center and raise it to the rear and repeat it indefinitely until the button is pressed. .



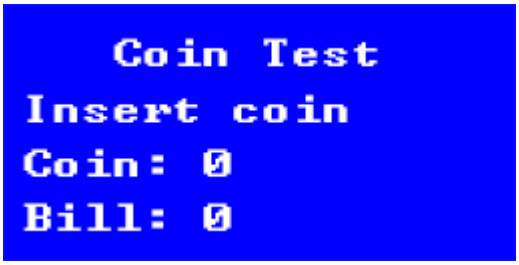
2) LCD test: used to test whether the LCD is normal. After the test is completed, you can press the button to exit this item. If the letter "E" does not appear to be correct, determine that the LCD is defective.



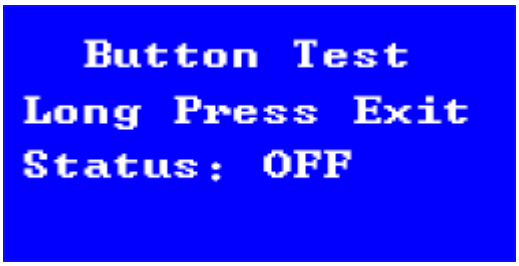
3) Sound test : used to test whether the sound is normal. After the test is completed, you can press the grab button to exit this item. (1 ~ 11)



4) Coin & Bill test : used to test whether the coin& Bill dispenser is working properly. After the test is completed, you can press the button to exit this item.



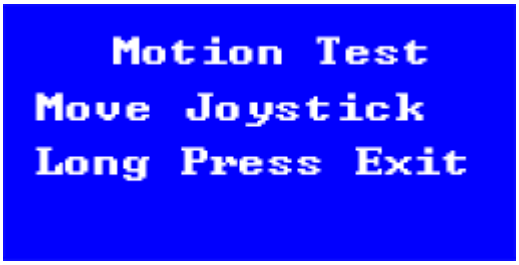
5) Button test: used to test whether the keys are normal. After the test is completed, you can press the button for a long time to exit this item.



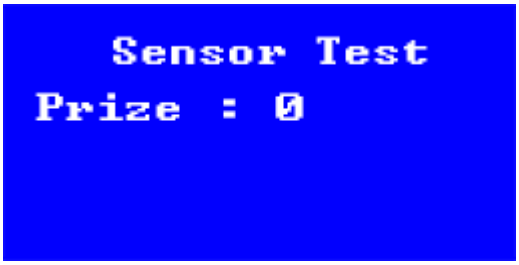
7) Joystick test: test whether the joystick is normal. After the test is completed, you can press the button for a long time to exit this item. Depending on the movement of the joystick, you can view the switch position information of Up, Down, Left, and Right through the LCD window.



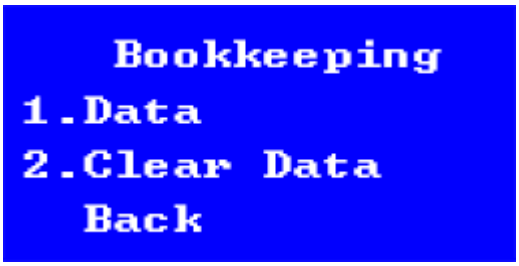
8) Motion test : test whether the claw movement is normal. After the test is completed, you can press the button for a long time to exit this item. You can check the movement of the claw by moving the joystick.



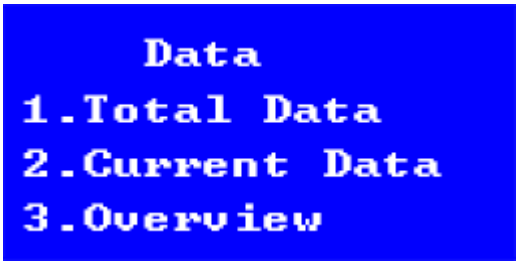
8) Sensor test: test whether the gift sensor is normal. After the test is completed, you can press the button to exit this item. The number goes up one by one when the outlet sensor is recognized.



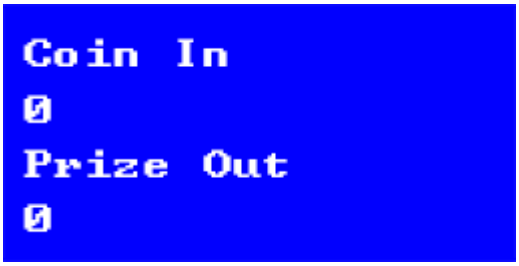
4. Bookkeeping : Press the button to confirm entering the next menu level



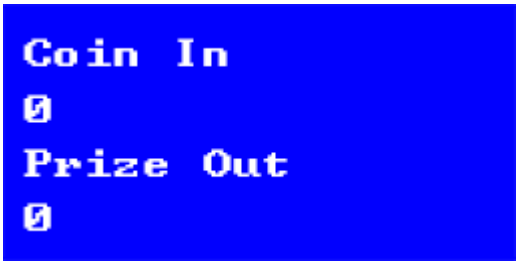
1) Data



1-1) Total Data : total number of coins inserted and total number of awards.

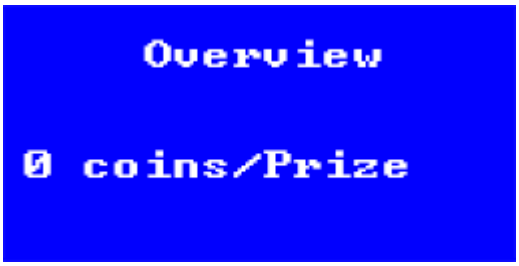


1-2) Current Data : The current number of coins inserted and the current number of awards dispensed



1-3) Overview(Probability settlement): The probability settlement of the current award.

Indicates the number of prize out compared to the number of input coins.

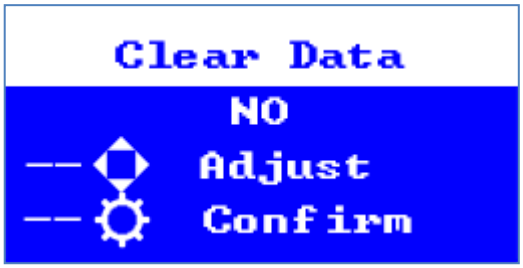


2) Clear Data

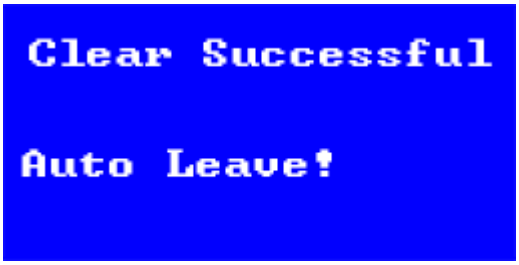
Optional [YES] or [NO]

Default : NO

※ Selecting Yes keeps the bookkeeping data and resets all accumulated chances, current credits, and the number of prize out.







5. Factory Setting

Optional [YES] or [NO]

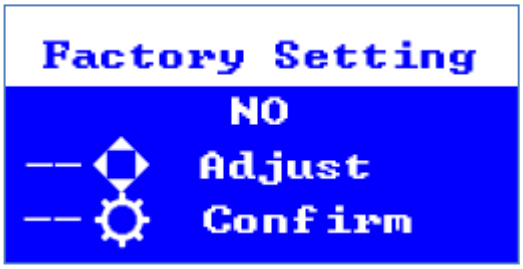
Default: NO

※ When the machine malfunction cannot be eliminated, enter this function to attempt a system reset.

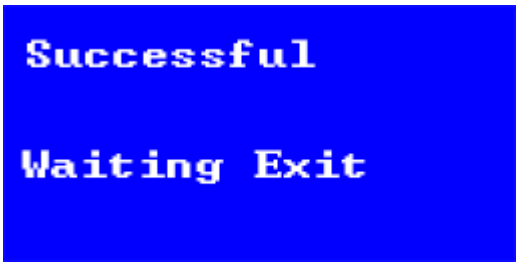
※ After using this function, all parameters will be restored to their default values. Please reset them to the required values according to actual needs.

※ The manually entered portion of the data must be reset, otherwise it may be over payout.

※ Everything including bookkeeping will be cleared to be the same as the product when shipped from the factory.







Maintenance and repair

Even products that work normally can cause abnormalities if used for a long time.

Please conduct daily maintenance checks on the following items so that the product can be used for a long time.

◇ Check that the screws holding the unit or part are not loosened or pulled out.
◇ Make sure the power plug is not loose or missing.
◇ Make sure that the connector is not loose, and that the pin is not loose.
◇ Sensor Check

Does the actuator (operating part) of the micro switch etc. move smoothly without contacting the surrounding parts?
Also, make sure there are no abnormalities such as bending.
Make sure there are no problems with soldering the connection terminals and wiring.
Make sure the installation screws are not loose.

Coin Selector Maintenance

Please clean the coin selector when there is a problem with regular maintenance or coin input.

If the selector is clogged with coins, wipe off the dust with a dry cloth and use it. Do not grease the selector. This may cause failure.

Cleaning the Acrylic Resin Part
Where acrylic resin is used, spray water with an appropriate amount of neutral detergent and wipe it with a soft cloth.
(Use of alcohol disinfection, etc. may cause distortion, whitening, and damage.)

Error code and how to solve it

Error code	Description
Error 01	Problem) DOWN_LIMIT_SW is ON and does not change. Failure of one of the following ① DOWN LIMIT SWITCH ② Up/Down Motor ③ MAIN PCB ④ Power ⑤ Harness
Error 02	Problem) There is no change with the prize sensor on. Make sure the prize isn't blocked. If the prize isn't blocked, then one of the following. ① Poor sensitivity adjustment of prize sensor ② Prize sensors problem ③ Prize sensor PCB ④ MAIN PCB ⑤ Power ⑥ Harness
Error 03	Problem) There is no change with UP_LIMIT_SW on. Failure of one of the following ① UP LIMIT SWITCH ② Up/Down motor ③ MAIN PCB ④ Power ⑤ Harness
Error 04	Problem) There is no change with FRONT_LIMIT_SW on. Failure of one of the following ① FRONT LIMIT SWITCH problem ② Front/Back Motor ③ MAIN PCB ④ Power ⑤ Harness
Error 05	Problem) There is no change with BACK_LIMIT_SW on. Failure of one of the following ① BACK LIMIT SWITCH ② Front/Back Motor ③ MAIN PCB ④ Power ⑤ Harness
Error 06	Problem) There is no change with LEFT_LIMIT_SW on. Failure of one of the following ① LEFT LIMIT SWITCH ② Left/Right Motor ③ MAIN PCB ④ Power ⑤ Harness
Error 07	Coin jam

Error code	Description
Error 09	Problem) There is no change with BACK_LIMIT_SW on. Failure of one of the following ① BACK LIMIT SWITCH ② Front/Back Motor ③ MAIN PCB ④ Power
Error 10	Problem) Error saving parameter backup MAIN PCB defect if the problem is repeated
Error 11	Problem) Error reading parameters MAIN PCB defect if the problem is repeated
Error 12	Problem) Error saving system DATA MAIN PCB defect if the problem is repeated
Error 13	Problem) Error reading system DATA MAIN PCB defect if the problem is repeated
Error 14	Problem) Error saving system DATA backup MAIN PCB defect if the problem is repeated
Error 15	Problem) Error saving parameter MAIN PCB defect if the problem is repeated
Error 16	Problem) Error validating system DATA MAIN PCB defect if the problem is repeated
Error 17	Problem) Error validating system DATA backup MAIN PCB defect if the problem is repeated

Remark) How to check MOTOR operation

In case you move the arm mechanism by hand to the center of the field and turn it off and then the arm mechanism does not return to its initial position after power-up,

Check following MOTOR > MAIN PCB > Power supply > Harness

If ARM doesn't go down

Please check again after setting Air Catching to OFF.

Replacement of key parts

1) CLAW

Step 1] Power off the product.

Step 2]Remove the screws ○ (3 places) on the ARM Ass'y.

Step 3]Remove the CLAW.

Step 4]After replacing with a new CLAW, tighten and secure the +screw (3 positions) in the reverse order of [Step1].





2) ARM Ass'y

Step 1] Power off the product.

Step 2] Disconnect the connector of the arm Ass'y harness.

Step 3] Loosen the screws (2 EA) of the fixing bracket inside the arm Ass'y, and remove the bracket.

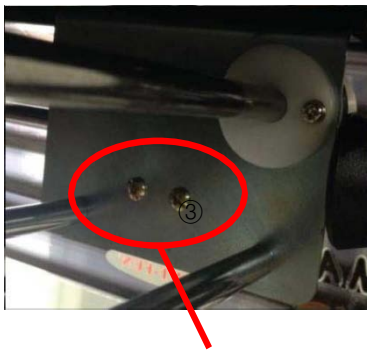
Step 4] Lift the arm Ass'y and rotate it slightly, removing it from the rail.

Step 5] Place the new arm Ass'y on the rail in the reverse order of [Step 3] and install the fixing bracket.

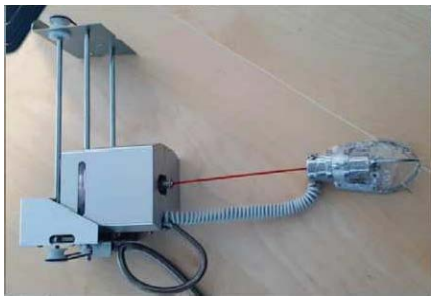
Step 6] Connect to the connector that you disconnected from .



[step 2]



[step 3]



3) Main PCB

Step 1] Open the maintenance door at the bottom of the front of the cabinet.

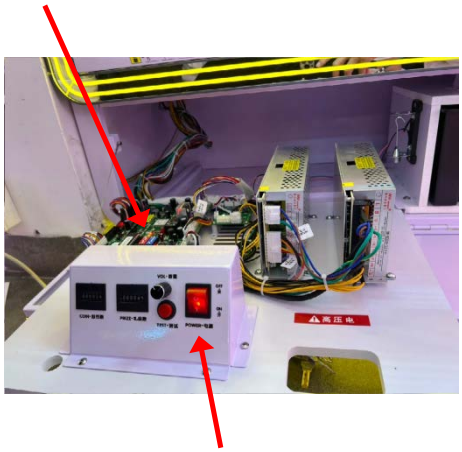
Step 2] Power off the cabinet.

Step 3] Disconnect (remove) the harness (connector) connected to the main PCB.

Step 4] Remove the screws (4 EA) holding the main PCB and take out the main PCB.

Step 5] Install the new main PCB in reverse order of [Step 4].

Step 6] Connect the harness (connector) to the main PCB disconnected from [Step 3].





4)String

Step 1]Power off the cabinet.

Step 2] Loosen the fixing screws (4 places) on the metal cover of the arm Ass'y and remove the metal cover.

Step 3] Loosen the screws (3 EA) securing the arm cap, and remove the CLAW.

Step 4] Cut the knot of the old string and separate the arm cap.

Step 5] Remove the arm strings from the upper roller side.

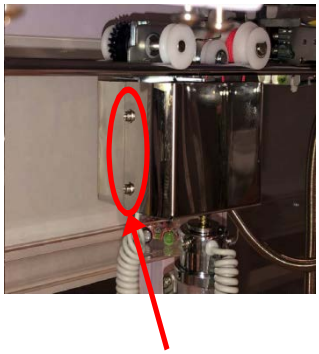
Step 6] As opposed to [step 5], insert a new arm string into the hole in the top roller.

Step 7] Strings are tied in the order of the picture, and ends are tied through holes in the arm cap at the end.

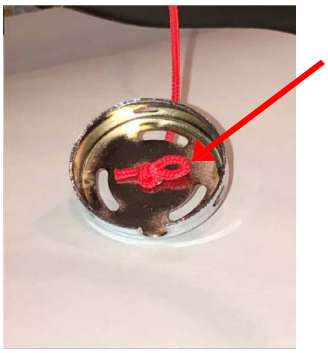
Step 8] Install CLAW in reverse order of [Step 3].

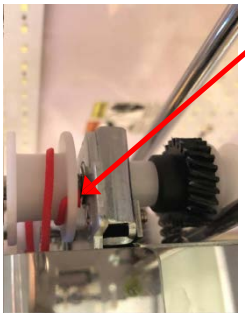
Step 9] Fix metal cover in reverse order of [Step 2].

Step 10] When you turn on the power, the arm string is wound to enable play.

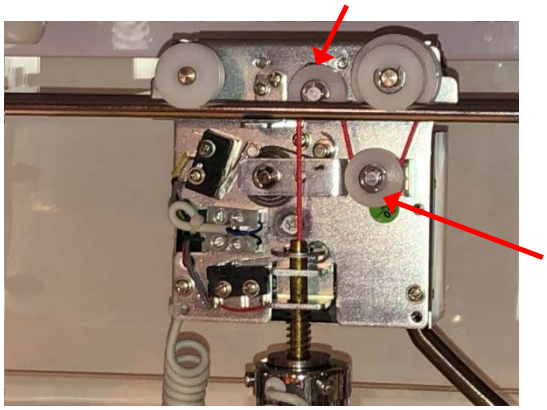






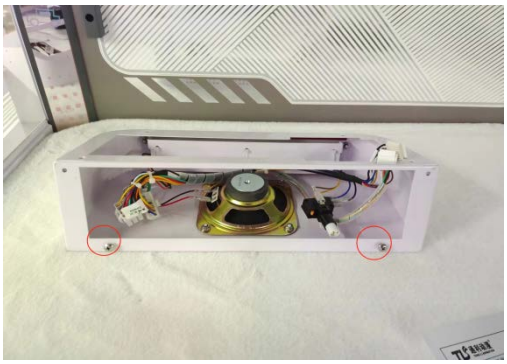


Remove arm string.



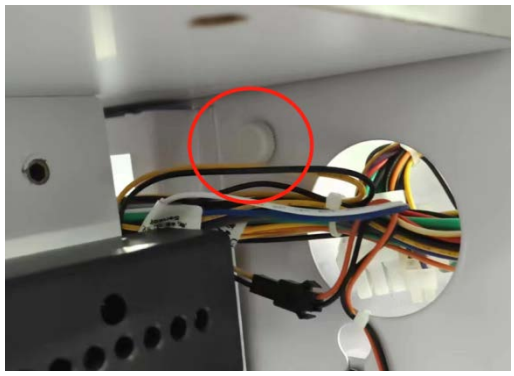
4) How to connect button panel

1 hand bolt and 3 normal bolts are used.









5) How to adjust sensor

If the sensor error continues, reduce the amount of sensor light by turning the volume counterclockwise as shown in Picture 1.

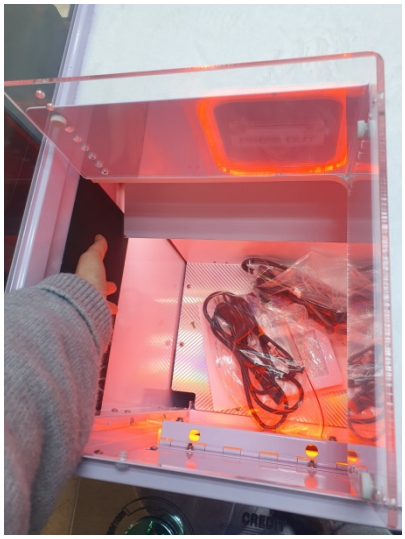
If the prize is not recognized, turn the volume clockwise to increase the amount of sensor light.

[Example]

Step 1] Enter the sensor test mode. [see (8) Sensor Test Mode of 26 pages in the manual.]
Step 2] Minimize sensor sensitivity (set volume counterclockwise as much as possible) and check whether it is recognized by putting the hand in and away from the black sheet on the other side of the sensor. (Caution: Make sure your palm is as close to the black sheet as possible)
Step 3] If the sensor is not recognized, the volume adjustment is stopped as soon as it is recognized while increasing the sensor volume little by little (turn the volume clockwise).
Step 4] Drop the prize you want to use at the center and four corners of the prize outlet to check whether it is recognized or not.
Step 5] If it is not recognized normally in the process of Step 4, increase the sensor volume little by little and repeat the task of [Step 4].



[The position of Sensor volume]

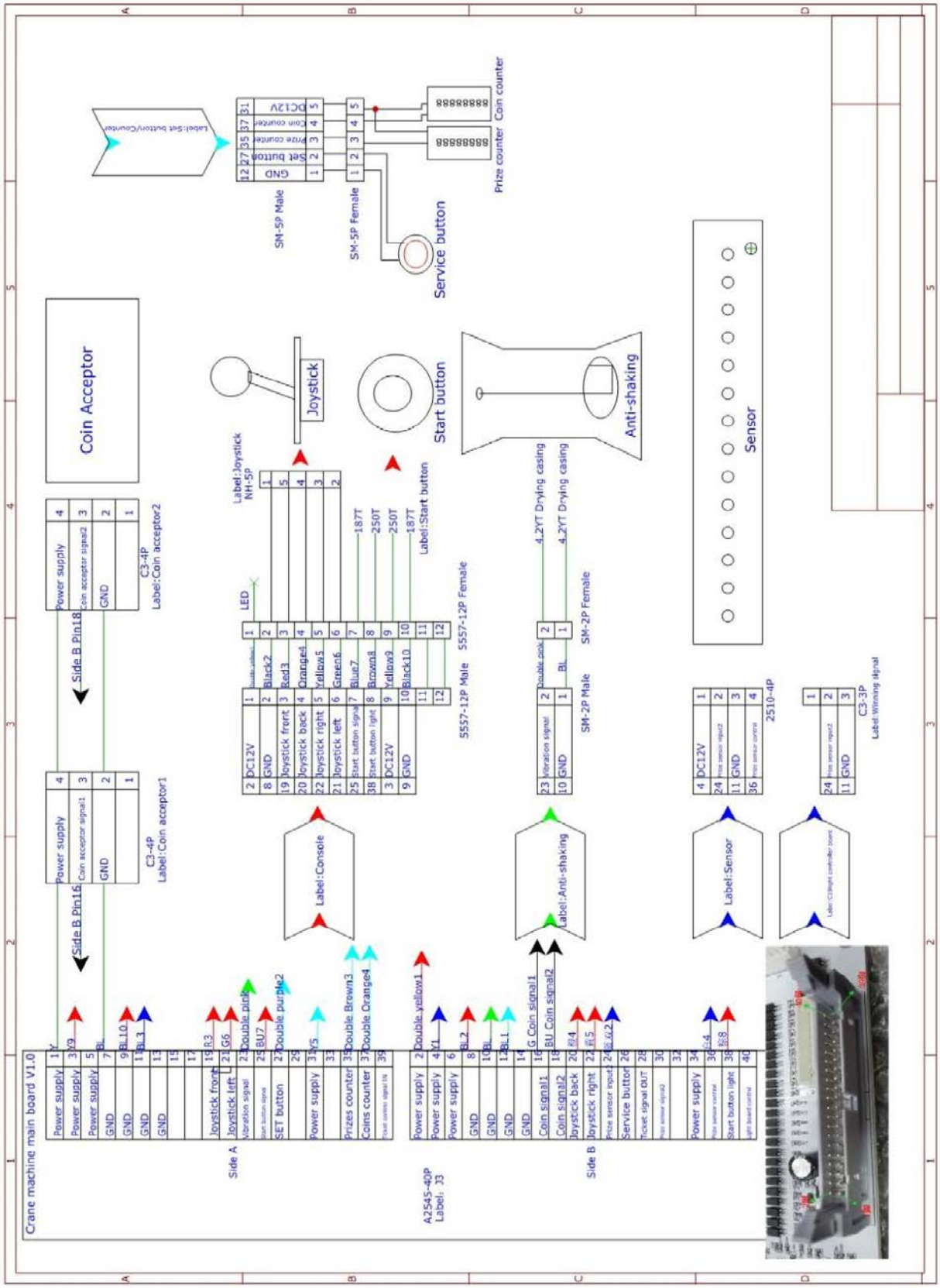


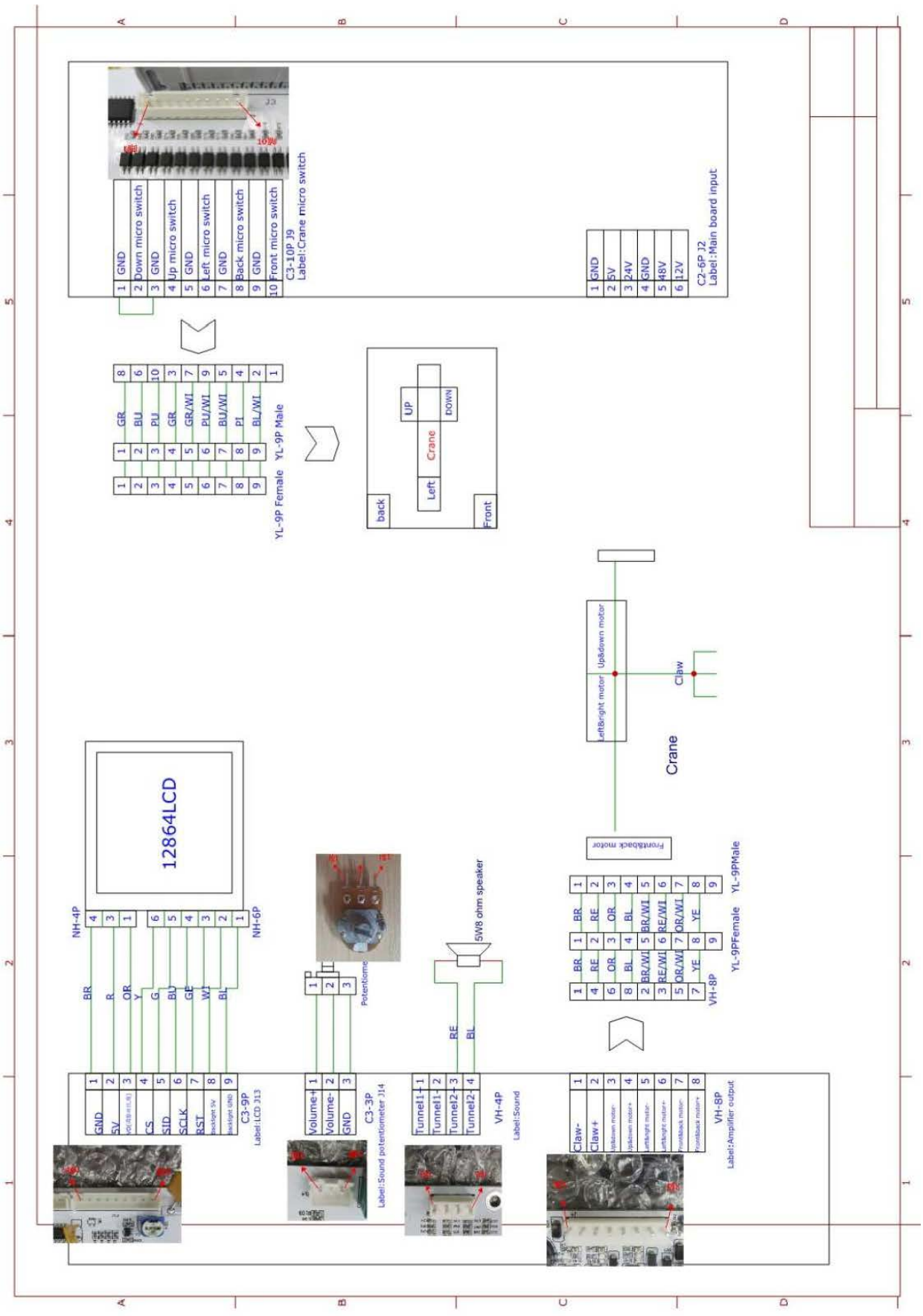
[Step 2]



[Step 4]

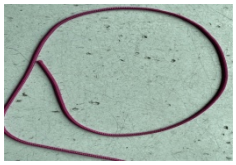
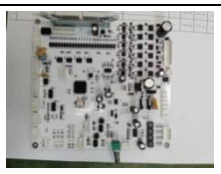
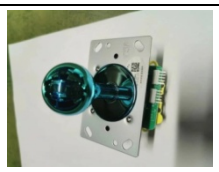
Wiring diagram




1 GND
2 Down micro switch
3 GND
4 Up micro switch
5 GND
6 Left micro switch
7 GND
8 Back micro switch
9 GND
10 Front micro switch
C3-10P J9
Label:Crane micro switch
1 GND
2 5V
3 24V
4 GND
5 48V
6 12V
C2-6P J2
Label:Main board input
YL-9P Female
YL-9P Maile
back
Left
Crane
UP
DOWN
Front
12864LCD
NH-4P
NH-6P
C3-9P
Label:LCD 313
Potentiometer
C3-3P
Label:Sound potentiometer J14
5W8 ohm speaker
VH-4P
Label:Sound
Crane
Left&right motor
Up&down motor
Claw
Frontback motor
YL-9PFemale
YL-9PMale
VH-8P
VH-8P
Label:Amplifier output

Crazy Toy AS Part List & Code Number

NO	Code Name	Part Name	Specification
1	MCRA0PAR001	CRANE WIRE	MODEL 700
2	MCRA0PAR002	CRANE GEAR	MODEL 700
3	MCRA0PAR003	MICRO SWITCH	MODEL 700
4	MCRA0PAR004	FUSE	125V /10A 6 * 30
5	MCRA0PAR005	KEY MODEL 006	For Door
6	MCRA0PAR013	KEY MODEL 005	For Coin Box
7	MCRA0PAR006	SENSOR	IR SENSOR
8	MCRA0PAR007	BUTTON PANEL LCD	12864 Monochrome LCD
9	MCRA0PAR008	MAIN PCB	V 1.0
10	MCRA0PAR009	JOYSTIC	CY-EPC Dark Green
11	MCRA0PAR010	BUTTON	70 Silvering
12	MCRA0PAR011	SMPS	WM-WAWA
13	MCRA0PAR012	LAMP SMPS	WM-RS250-12
14	MCRA0PAR020	STANDARD CLAW	M Claw Length : 140 mm
15	MCRA0PAR021	COIL FOR STANDARD CLAW	M type Coil

				
MCRA0PAR001	MCRA0PAR002	MCRA0PAR003	MCRA0PAR004	MCRA0PAR005
				
MCRA0PAR013	MCRA0PAR006	MCRA0PAR007	MCRA0PAR008	MCRA0PAR009
				
MCRA0PAR010	MCRA0PAR011	MCRA0PAR012	MCRA0PAR020	MCRA0PAR021